Fig. 1

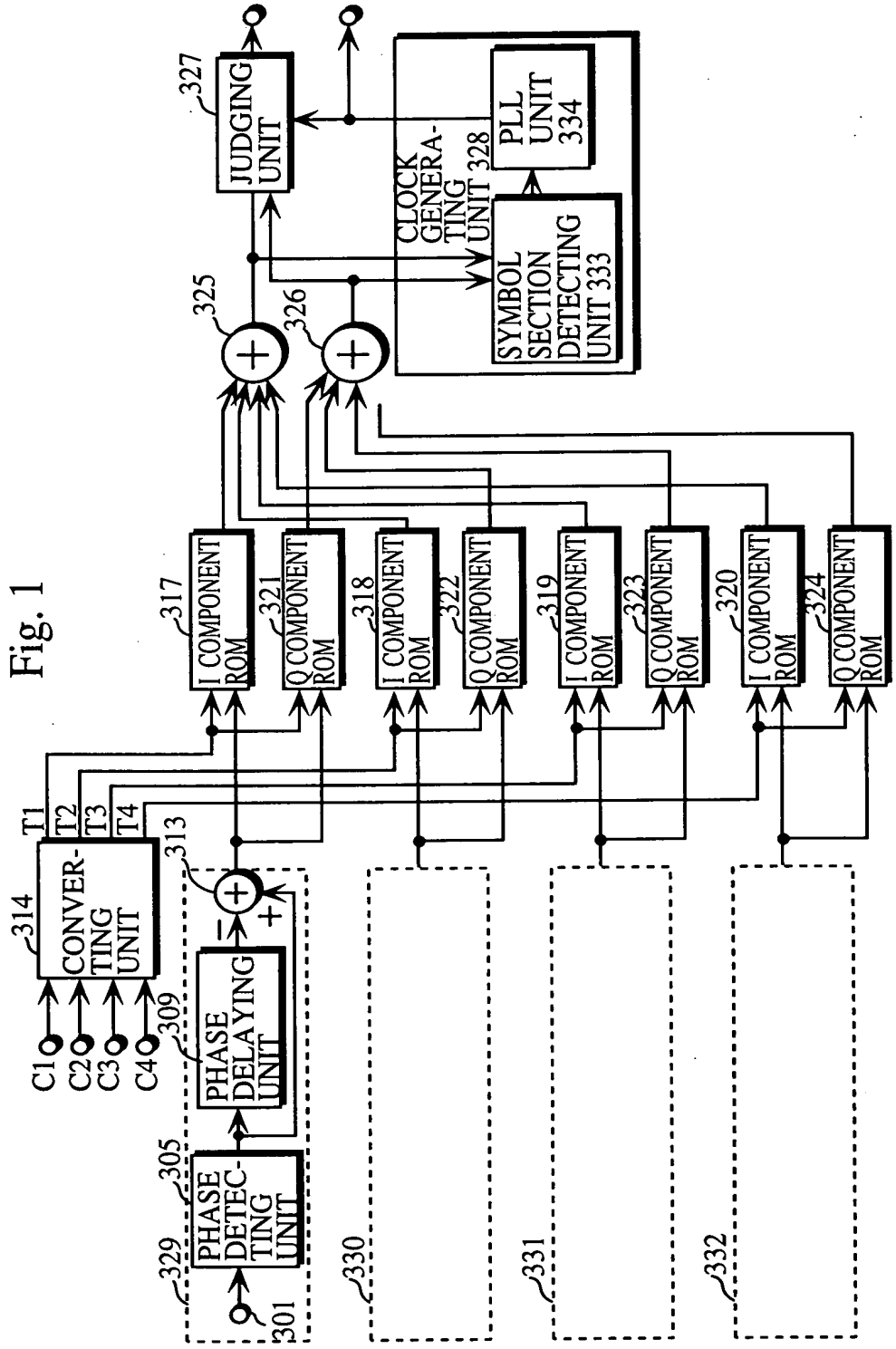

JUDGING UNIT
327
CLOCK GENERA-TING UNIT 328
PLL UNIT 334
SYMBOL SECTION DETECTING UNIT 333
325
326
I COMPONENT ROM
317
Q COMPONENT ROM
321
I COMPONENT ROM
318
Q COMPONENT ROM
322
I COMPONENT ROM
319
Q COMPONENT ROM
323
I COMPONENT ROM
320
Q COMPONENT ROM
324
T1
T2
T3
T4
CONVER-TING UNIT
314
313
PHASE DELAYING UNIT
309
C1
C2
C3
C4
PHASE DETEC-TING UNIT
305
329
301
330
331
332

Fig. 2

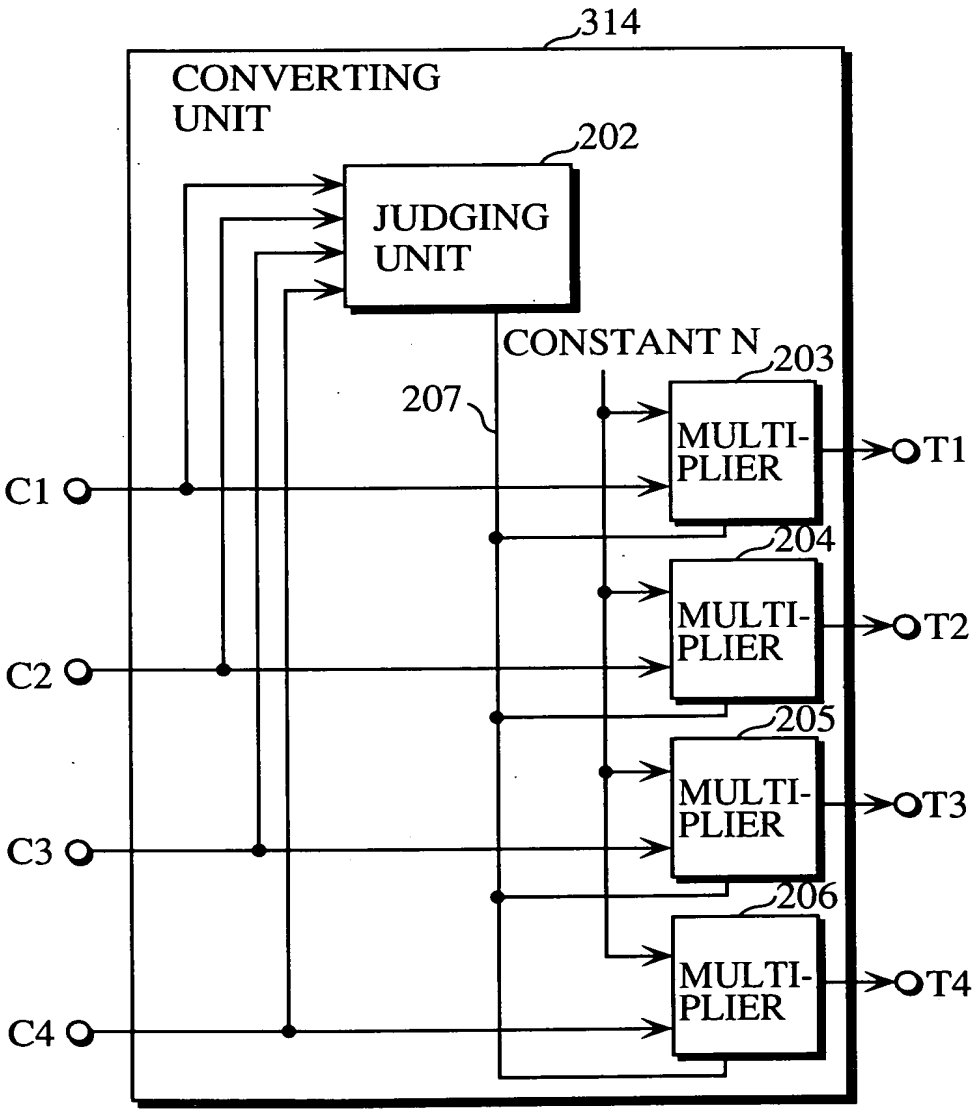

314
CONVERTING UNIT
202
JUDGING UNIT
CONSTANT N
207
203
MULTI-PLIER
T1
204
MULTI-PLIER
T2
205
MULTI-PLIER
T3
206
MULTI-PLIER
T4
C1
C2
C3
C4

Fig. 3A

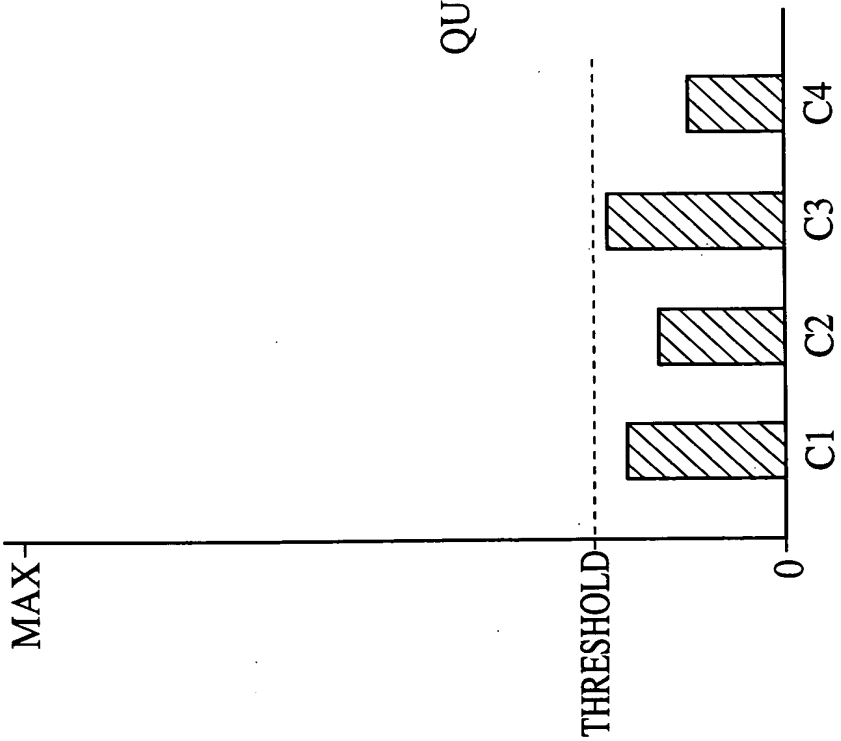

MAX
THRESHOLD
0
C1
C2
C3
C4

Fig. 3B

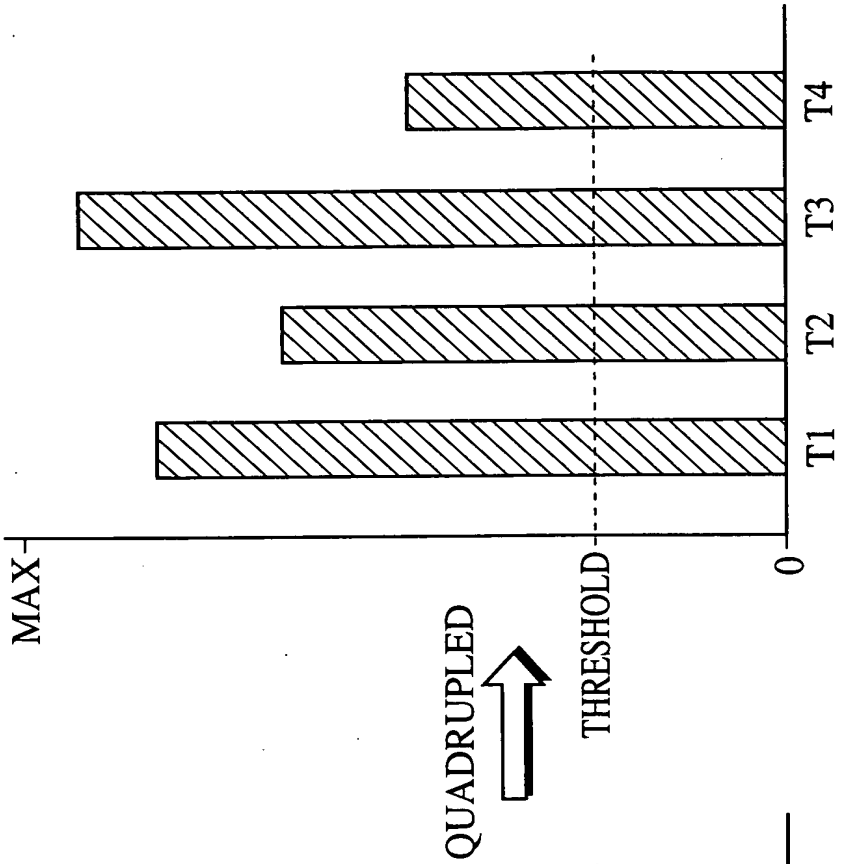

MAX
THRESHOLD
0
T1
T2
T3
T4
QUADRUPLED

Fig. 4

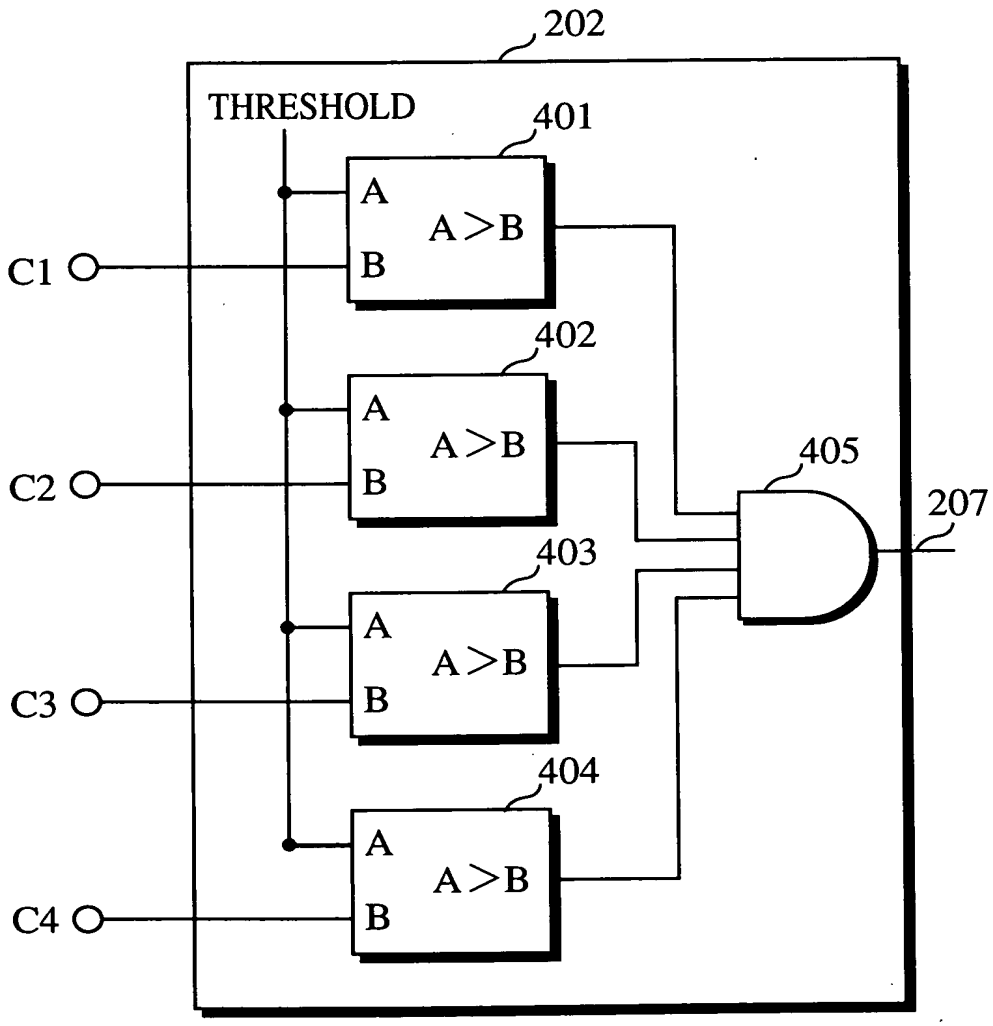

202
THRESHOLD
401
A
B
A>B
C1
402
A
B
A>B
C2
405
207
403
A
B
A>B
C3
404
A
B
A>B
C4

Fig. 5

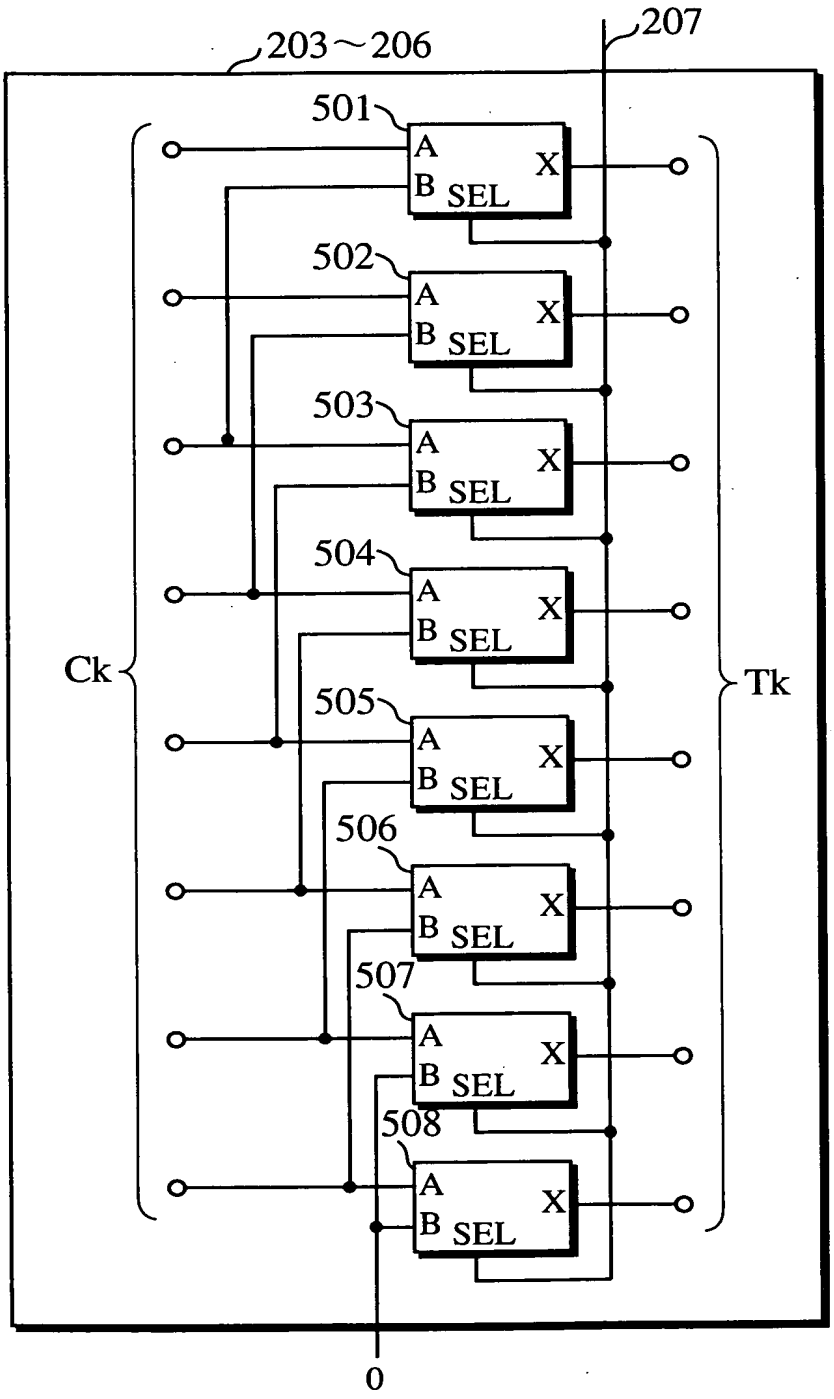


Fig. 6

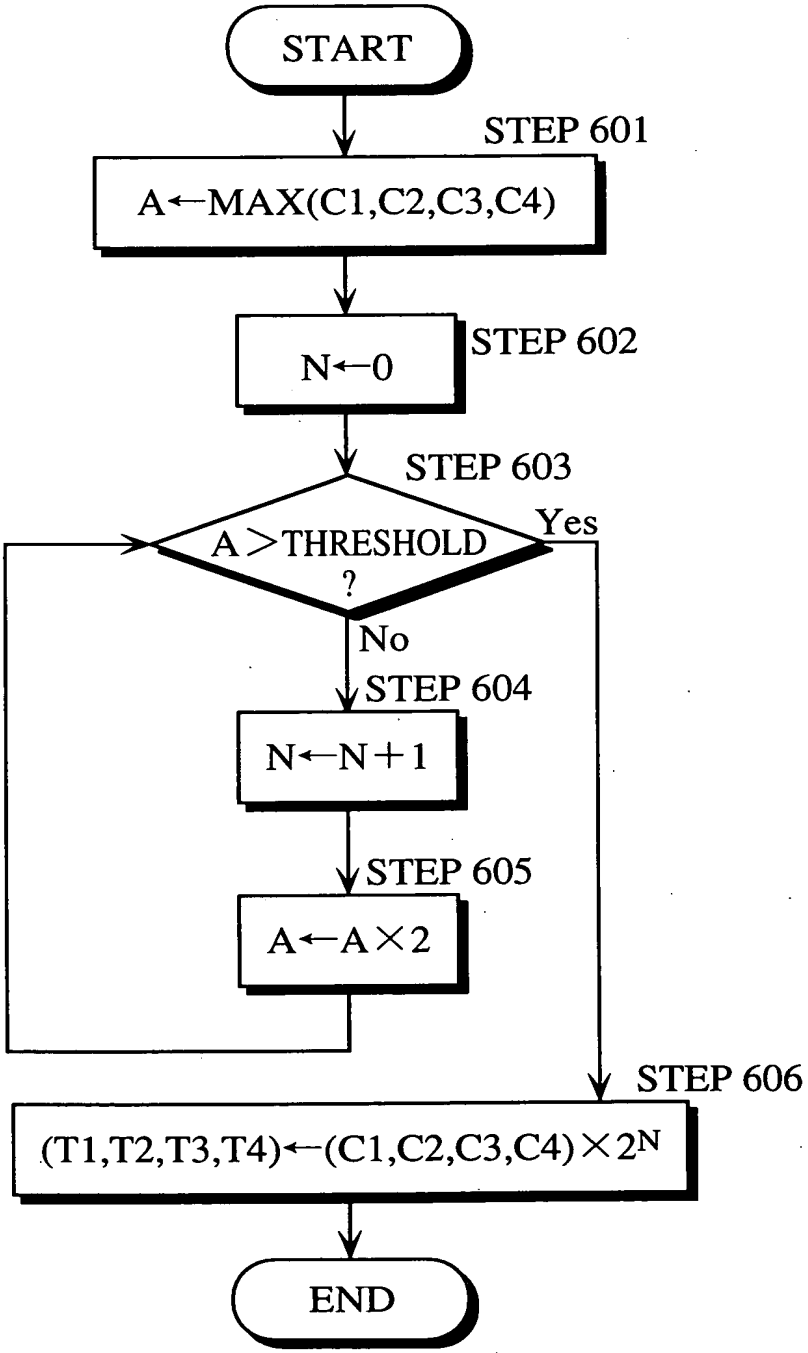

START
STEP 601
A←MAX(C1,C2,C3,C4)
N←0
STEP 602
STEP 603
A＞THRESHOLD ?
Yes
No
STEP 604
N←N+1
STEP 605
A←A×2
STEP 606
(T1,T2,T3,T4)←(C1,C2,C3,C4)×2N
END

Fig. 7

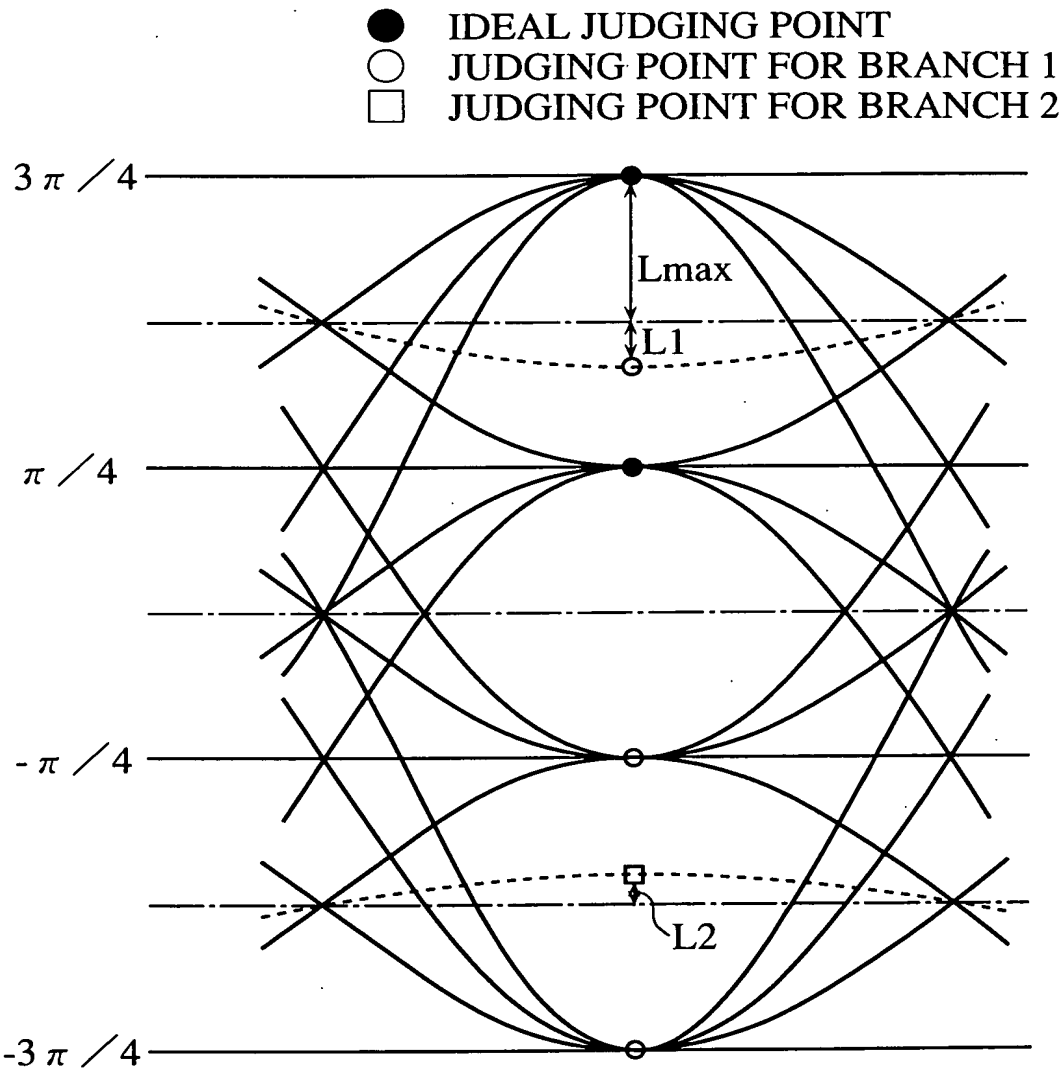
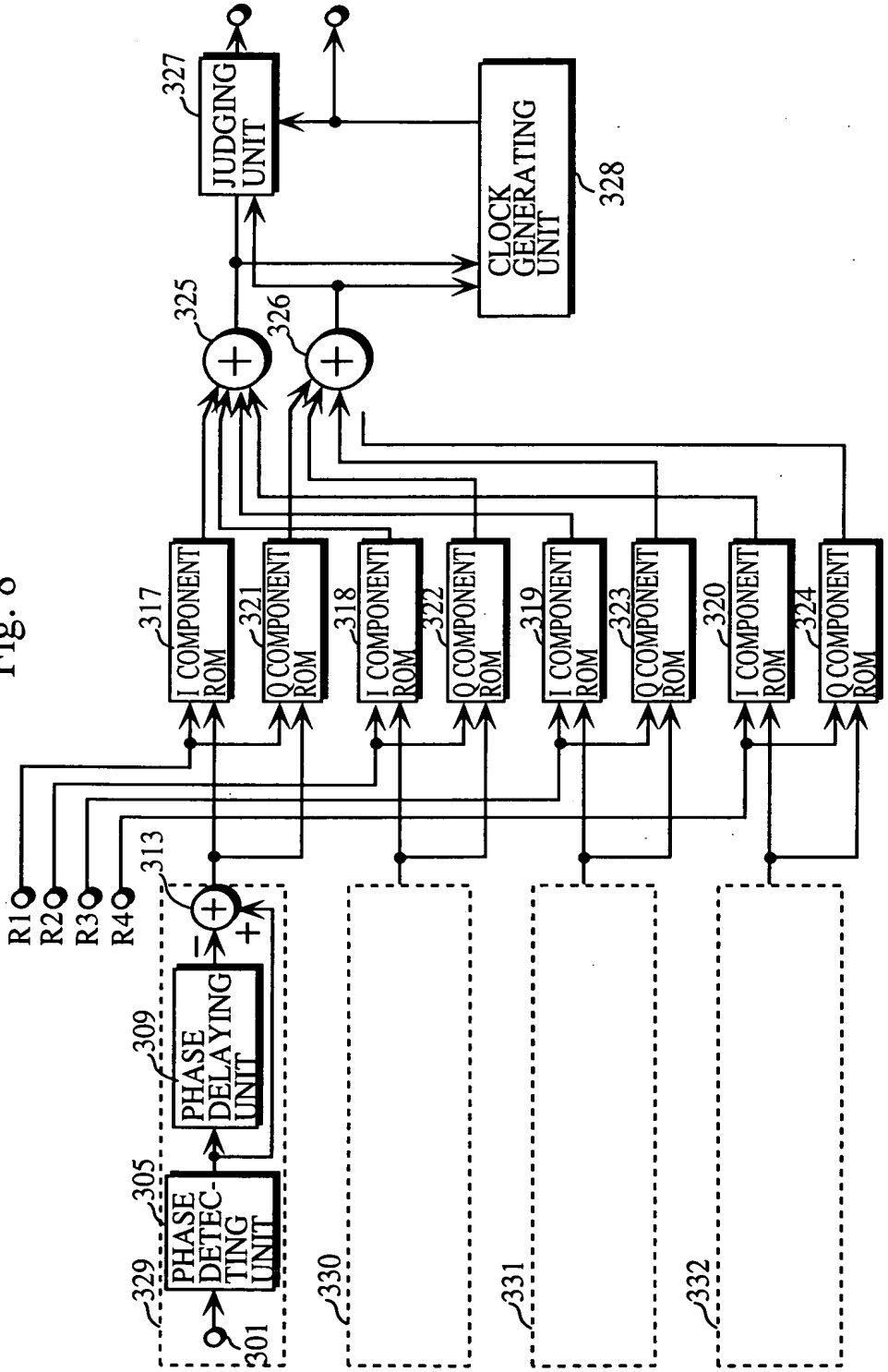

IDEAL JUDGING POINT
JUDGING POINT FOR BRANCH 1
JUDGING POINT FOR BRANCH 2
3 π ／4
π ／4
- π ／4
-3 π ／4
Lmax
L1
L2

Fig. 8


R1
R2
R3
R4
313
301
329
305
PHASE DETECTING UNIT
309
PHASE DELAYING UNIT
330
331
332
317
I COMPONENT ROM
321
Q COMPONENT ROM
318
I COMPONENT ROM
322
Q COMPONENT ROM
319
I COMPONENT ROM
323
Q COMPONENT ROM
320
I COMPONENT ROM
324
Q COMPONENT ROM
325
326
327
JUDGING UNIT
328
CLOCK GENERATING UNIT